

SEQUENCE LISTING

<110> Vincent, Mark
Koropatnick, James
Sarrissa Inc.

<120> Methods of Treating Mesothelioma Using
Antisense Oligonucleotides to Thymidylate Synthase

<130> 753-118PCT

<140> N/A

<141> 2005-01-24

<150> U.S. 60/556,368

<151> 2004-03-26

<150> U.S. 60/538,886

<151> 2004-01-23

<160> 8

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Antisense oligonucleotide against human
thymidylate synthase mRNA

<400> 1
gccagtggca acatccttaa 20

<210> 2

<211> 20

<212> DNA

<213> Artificial Sequence

<220>

<223> Antisense oligonucleotide against human
thymidylate synthase mRNA

<400> 2
ttggatgcgg attgtaccct 20

<210> 3

<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against human
thymidylate synthase mRNA

<400> 3
actcagctcc ctcagatttg 20

<210> 4
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against human
thymidylate synthase mRNA

<400> 4
ccagcccaac ccctaaagac 20

<210> 5
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against human
thymidylate synthase mRNA

<400> 5
ggcatcccag attttcactc 20

<210> 6
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Antisense oligonucleotide against human
thymidylate synthase mRNA

<400> 6
agcatttggtg gatcccttga 20

<210> 7
<211> 20
<212> DNA
<213> Artificial Sequence

<220>

<223> Scrambled control oligonucleotide

<400> 7

atgcgccaac gggttcctaaa

20

<210> 8

<211> 1536

<212> DNA

<213> Homo sapiens

<221> misc_feature

<222> (1)...(1536)

<223> Sequence corresponding to human mRNA for
thymidylate synthase

<400> 8

```

gggggggggg ggaccacttg.gcctgcctcc gtcccgccgc gccacttggc ctgcctccgt 60
cccgccgcgc cacttcgcct gcctcgcgtcc cccgcccgcg gcgccatgcc tgtggccggc 120
tcggagctgc cgcgccggcc cttgcccccc gccgcacagg agcgggacgc cgagccgcgt 180
ccgcccgcag gggagctgca gtacctgggg cagatccaac acatcctccg ctgcggcgctc 240
aggaaaggacg accgcacggg caccggcacc ctgtcggtat tcggcatgca ggcgcgctac 300
agcctgagag atgaattccc tctgctgaca accaaacgtg tgttctggaa ggggtgtttg 360
gaggagtgtc tgtggtttat caagggatcc acaaagtcta aagagctgtc ttccaaggga 420
gtgaaaaatct gggatgccaa tggatcccca gacttttttg acagcctggg attctccacc 480
agagaagaag gggacttggg cccagtttat ggcttccagt ggaggcattt tggggcagaa 540
tacagagata tggaatcaga ttattcagga caggggagttg accaactgca aagagtgtat 600
gacaccatca aaaccaaccc tgacgacaga agaatcatca tgtgcgcttg gaatccaaga 660
gatcttcctc tgatggcgct gcctccatgc catgccctct gccagttcta tgtggtgaac 720
agtgagctgt cctgccagct gtaccagaga tcgggagaca tgggcctcgg tgtgccttcc 780
aacatcgcca gctacgccct gctcacgtac atgattgcgc acatcacggg cctgaagcca 840
ggtgacttta tacacacttt gggagatgca catatttacc tgaatcacat cgagccactg 900
aaaattcagc ttcagcgaga acccagacct ttcccaaagc tcaggattct tcgaaaagtt 960
gagaaaattg atgacttcaa agctgaagac tttcagattg aagggtacaa tccgcatcca 1020
actattaaaa tggaaatggc tgtttagggt gctttcaaag gagcttgaag gatattgtca 1080
gtctttaggg gttgggctgg atgccgaggt aaaagtctt tttgctctaa aagaaaaagg 1140
aactagggtca aaaatctgtc cgtgacctat cagttattaa tttttaagga tgttgccact 1200
ggcaaatgta actgtgccag ttctttccat aataaaaggc tttgagttaa ctactgagg 1260
gtatctgaca atgctgaggt tatgaacaaa gtgaggagaa tgaaatgtat gtgctcttag 1320
caaaaacatg tatgtgcatt tcaatcccac gtacttataa agaaggttgg tgaatttcac 1380
aagctatttt tggaaatatt ttagaatttt ttaagaattt cacaagctat tccctcaaat 1440
ctgaggggagc tgagtaacac catcgatcat gatgtagagt gtggttatga actttatagt 1500
tgttttatat gttgctataa taaagaagtg ttctgc 1536

```